

Revision Date: 03/15/2019

SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

1. Identification

Product identifier: NANOCRYL A 220

Chemical name:

Preparation, consisting of acrylates and amorphous silicon dioxide

Other means of identification

Recommended restrictions

Recommended use: Industrial Use Restrictions on use: None known.

Manufacturer/Importer/Distributor Information

Company Name

: Evonik Corporation 299 Jefferson Road

Parsippany, NJ 07054 USA

Telephone

: +1 973 929 8000

Fax

: +1 973 929 8040

E-mail

: product-regulatory-services@evonik.com

Emergency telephone number:

24-Hour Health

: +1 800 424 9300 (CHEMTREC -US & CANADA)

Emergency

+1 800 681 9531 (CHEMTREC MEXICO) +1 703 527 3887 (CHEMTREC WORLD)

2. Hazard(s) identification

Hazard Classification

Physical Hazards

Flammable liquids

Category 4

Health Hazards

Skin sensitizer Serious eye irritation Category 1
Category 2

Skin irritation

Category 2

Label Elements

Hazard Symbol:



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Signal Word:

Warning

Hazard Statement:

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Combustible liquid.

Precautionary Statements

Prevention:

Avoid breathing dust/fume/gas/mist/vapors/spray. Wear protective

gloves/protective clothing/eye protection/face protection. Keep away from

open flames/hot surfaces. -No smoking.

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention. In case of fire: Use water spray, alcohol-resistant foam, dry

chemical or carbon dioxide for extinction.

Storage:

Store in a well-ventilated place. Keep container tightly closed.

Hazard(s) not otherwise classified (HNOC):

None.

3. Composition/information on ingredients

Chemical name:

Preparation, consisting of acrylates and amorphous silicon dioxide

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
2-Propenoic acid, 2-ethyl-2-[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester	15625 -8 9-5	>=40 -<60%

^{*} All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The exact concentration has been withheld as a trade secret.

4. First-aid measures

Description of necessary first-aid measures

General information: Remove soiled or soaked clothing immediately

Inhalation: Ensure supply of fresh air. In the event of symptoms seek medical

advice.

Skin Contact: In case of contact with skin wash off with soap and water. Consult a

doctor if skin irritation persists.



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In case of contact with eyes rinse thoroughly with plenty of water. If Eye contact:

symptoms persist, seek medical advice.

Ingestion: Thoroughly clean the mouth with water In the event of symptoms

seek medical advice.

Personal Protection for First-

aid Responders:

Do not inhale explosion and/or combustion gases, Self-contained

breathing apparatus.

Most important symptoms/effects, acute and delayed

Symptoms:

Skin irritation Serious eye irritation

Hazards:

No data available.

Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

5. Fire-fighting measures

Collect contaminated firefighting water separately, must not be discharged **General Fire Hazards:**

into the drains.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing

media:

foam, carbon dioxide, dry powder, water spray.

Unsuitable extinguishing

media:

Full water jet

Specific hazards arising from

the chemical:

In the event of fire the following can be released: -Carbon monoxide, carbon dioxide, silicon dioxide Under certain conditions of combustion

traces of other toxic substances cannot be excluded

Special protective equipment and precautions for firefighters

Special fire fighting

procedures:

No specific precautions.

Special protective equipment

for fire-fighters:

Do not inhale explosion and/or combustion gases Self-contained breathing

apparatus.

6. Accidental release measures

Personal precautions. protective equipment and emergency procedures:

Use personal protective equipment. Ensure adequate ventilation.

Methods and material for containment and cleaning

up:

Take up with absorbent material (eg sand, kieselguhr, universal binder) Dispose of absorbed material in accordance with the regulations.

Do not allow to enter drains or waterways Do not discharge into the **Environmental Precautions:**

subsoil/soil.

7. Handling and storage

Handling

US



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Technical measures (e.g. Local and general ventilation):

No data available.

Safe handling advice: Provide good ventilation of working area (local exhaust ventilation if

necessary). Do not inhale gases/vapours/aerosols. Avoid contact with skin

and eyes.

Contact avoidance measures: No data available.

Hygiene measures: Remove soiled or soaked clothing immediately. Do not eat, drink or smoke

when working. Wash hands before breaks and immediately after handling

the product. Use barrier skin cream.

Storage

Safe storage conditions: Keep only in the original container. Keep container tightly closed in a cool,

well-ventilated place. Keep away from direct sunlight.Do not store together with amines. Do not store with acids or alkalies Do not store together with: Radical formers, reducing substances, heavy metal ionsRecommended

storage temperature: 10 -30 °C.

Safe packaging materials: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits. Hazardous components without workplace control parameters

Appropriate Engineering

Controls

No data available.

Individual protection measures, such as personal protective equipment

Eye/face protection: safety glasses

Skin Protection

Hand Protection: Material: Butyl rubber.

Break-through time: 480 min

Skin and Body

Protection:

protective clothing

Respiratory Protection: in case of formation of vapours/aerosols: Short term: filter apparatus,

combination filter A-P2

Hygiene measures: Remove soiled or soaked clothing immediately. Do not eat, drink or smoke

when working. Wash hands before breaks and immediately after handling

the product. Use barrier skin cream.

9. Physical and chemical properties

Appearance

Physical state: liquid
Form: liquid
Color: yellowish
Odor: Characteristic
Odor Threshold: not measured
pH: not measured



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Freezing point: not measured

Boiling Point:> 100 °C (1,013 hPa)Flash Point:> 149.00 °F > 65 °CEvaporation Rate:not measuredFlammability (solid, gas):not measured

Explosive limit - upper (%):

Explosive limit - lower (%):

Vapor pressure:

Vapor density (air=1):

not measured

< 1.3 hPa (20 °C)

not measured

Density: 1.3 −1.4 g/cm3 (20 °C)

Relative density: not measured

Solubility(ies)

Solubility in Water:
Solubility (other):

Partition coefficient (n-octanol/water):

Self Ignition Temperature:

Decomposition Temperature:

Not measured

Other information

Explosive properties:not measuredOxidizing properties:not measuredMinimum ignition temperature:not measuredMetal Corrosion:not measured

10. Stability and reactivity

Reactivity: see section "Possibility of hazardous reactions"

Chemical Stability: The product is stable under normal conditions.

Possibility of hazardous

reactions:

No hazardous reactions with proper storage and handling.

Conditions to avoid: Keep away from direct sunlight.

Incompatible Materials: Radical formers (e.g. peroxides), reducing substances and/or heavy metal

ions Amines. alkalines acids

Hazardous Decomposition

Products:

In the presence of radical component (e.g. peroxides), reducing agents and/or heavy metal compounds polymerisation with evolution of heat is

possible.

11. Toxicological information

Information on likely routes of exposure

Inhalation: If handled correctly, not a relevant route of exposure. Information on effects

are given below.

Skin Contact: Relevant route of exposure. Information on effects are given below.

Eye contact: Relevant route of exposure. Information on effects are given below.



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Ingestion: If handled correctly, not a relevant route of exposure. Information on effects

are given below.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: no data available

Dermal

Product: no data available

Inhalation

Product: no data available

Repeated dose toxicity

Product: no data available

Skin Corrosion/Irritation

Product: no data available

Serious Eye Damage/Eye Irritation

Product: no data available

Respiratory or Skin Sensitization

Product: no data available

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogens present or none present in regulated quantities

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogens present or none present in regulated quantities



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Germ Cell Mutagenicity

In vitro

Product:

No data available.

In vivo

Product:

No data available.

Reproductive toxicity

Product:

No data available.

Specific Target Organ Toxicity -Single Exposure

Product:

no data available

Specific Target Organ Toxicity -Repeated Exposure

Product:

no data available

Aspiration Hazard

Product:

Not classified

Other effects:

No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product:

No data available.

Aquatic Invertebrates

Product:

No data available.

Chronic hazards to the aquatic environment:

Fish

Product:

No data available.

Aquatic Invertebrates

Product:

No data available.

Toxicity to Aquatic Plants

Product:

No data available.

Persistence and Degradability

Biodegradation

Product:

No data available.

BOD/COD Ratio

Product:

No data available.



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Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Partition Coefficient n-octanol / water (log Kow)

Product:

Log Kow: not measured

Mobility in soil: No data available.

Components:

2-Propenoic acid, 2-ethyl- No data available.

2-[[(1-oxo-2-

propenyl)oxy]methyl]-1,3-

propanediyl ester

Other adverse effects: Do not allow to enter soil, waterways or waste water canal.

13. Disposal considerations

In accordance with local authority regulations, take to special waste Disposal methods:

incineration plant

If empty contaminated containers are recycled or disposed of, the receiver **Contaminated Packaging:**

must be informed about possible hazards.

14. Transport information

Domestic regulation

49 CFR

UN/ID/NA number : UN 3082

Environmentally hazardous substance, liquid, n.o.s. Proper shipping name

(2-Ethyl-2-[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate)

Class 9

Packing group Ш

Labels 9

ERG Code 171

Marine pollutant : no

International Regulations

IATA-DGR

: UN 3082 UN/ID No.

Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.

(2-Ethyl-2-[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate)

9 Class

Packing group : 111



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Labels

9MI

Packing instruction (cargo

aircraft)

964

Packing instruction

964

(passenger aircraft)

Remarks

: Environmentally hazardous

IMDG-Code

UN number

UN 3082

Proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

(2-Ethyl-2-[[(1-oxoallyl)oxy]methyl]-1,3-propanediyl diacrylate)

Class

9

Packing group

111

Labels

9

EmS Code

F-A, S-F

Marine pollutant

no

Remarks

Stowage category A

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity

Reportable quantity

Propan-2-ol Hydroquinone 100 lbs. 100 lbs.

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Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Flammable (gases, aerosols, liquids, or solids), Skin Corrosion or Irritation, Respiratory or Skin Sensitization

SARA 302 Extremely Hazardous Substance

Reportable

Chemical Identity quantity

Threshold Planning Quantity

Hydroquinone 100 lbs.

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

SARA 311/312 Hazardous Chemical

Chemical Identity

Threshold Planning Quantity

Hydroquinone

500 lbs

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

No ingredient requiring a warning under CA Prop 65.

US. New Jersey Worker and Community Right-to-Know Act

No ingredient regulated by NJ Right-to-Know Law present.

US. Massachusetts RTK -Substance List

No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK -Hazardous Substances

No ingredient regulated by PA Right-to-Know Law present.

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

Inventory Status:

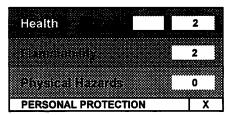
US TSCA Inventory: Canada NDSL Inventory: Included on Inventory. Included on Inventory.



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16.Other information, including date of preparation or last revision

HMIS Hazard ID



Ask supervisor or safety specialist for handling instructions

Hazard rating: 0 -Minimal; 1 -Slight; 2 -Moderate; 3 -Serious; 4 -Severe; RNP -Rating not possible; *Chronic health effect

Issue Date:

03/15/2019

Version #:

1.0

Further Information:

none

Revision Information:

Changes since the last version are highlighted in the margin. This version

replaces all previous versions.

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